


Name:			
Enrolment No:			
UPES End Semester Examination, December 2023			
Programme Name: M.Tech-HSE		Semester : I	
Course Name : Occupational Health and Safety		Time : 03 hrs	
Course Code : HSFS 7003		Max. Marks: 100	
Nos. of page(s) : 2			
Instructions: Read the question properly and give the most relevant answer.			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	Discuss the importance of dust particle size in occupational disease causation.	4	CO1
Q 2	Explain the different routes of chemical entry into the body with examples of diseases.	4	CO1
Q 3	List some of the good personal hygiene practices to be followed by lab worker in the university to prevent themselves from occupational disease.	4	CO3
Q 4	Explain any 2 dust collection techniques in detail.	4	CO3
Q 5	Differentiate Ionizing and Nonionizing radiation	4	CO2
SECTION B (4Qx10M= 40 Marks)			
Q 6	Explain the Noise hazard in detail.	10	CO2
Q 7	Discuss the importance of ergonomic hazards in the industry.	10	CO3
Q 8	Explain the terms. TWA-TLV TWA-STEL IDLH Sensitizer Asphyxiant	10	CO3
Q 9	Analyze the Minamata disaster in detail. (OR) Explain the biological hazard in detail	10	CO4
SECTION-C (2Qx20M=40 Marks)			
Q 10	Discuss elaborately about the possible health issues in semiconductor industry with support of a case study.	20	CO4

Q11	Prepare a writeup to convince your management about medical surveillance. (OR) Explain nuclear radiation highlighting the properties, sources, damages, control measures in detail.	20	CO2
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